Serial No. 10/623,132

Preliminary Amendment dated 02/23/2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (Currently Amended). A motor with a compound bearing for [OA] an office automation (OA) device having a spindle shaft assembled 2 3 within a double raceway sleeve of the compound bearing [apparatus through balls], 4 the <u>compound</u> bearing comprising[;]: 5 two rows of balls, each row having a plurality of balls; 6 the spindle shaft formed of a stepped shaft including a reduced 7 diameter portion and a larger diameter portion, 8 an inner ring [slidably] slidingly fit over the reduced diameter portion of the 9 spindle shaft, 10 [a plurality] the first row of balls interposed between a raceway 11 formed on [the] an outer peripheral surface of the inner ring and a raceway formed on 12 [the] an inner peripheral surface of the sleeve, and 13 [a plurality] the second row of balls interposed between a raceway 14 formed on [the] an outer peripheral surface of the larger diameter portion of the 15 spindle shaft and [a] another raceway formed on the inner peripheral surface of the 16 sleeve, 17 wherein the compound bearing is [completed as the compound 18 bearing by fixedly adhering characterized in that the inner ring is slidingly fitted on the reduced diameter portion of the spindle shaft [with applying onto 19 20 balls an appropriate pre-load through] and an adhesive secures the inner ring to the

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21	reduced	diameter	portion	in a	a pre-	loaded	state.	and
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- [wherein the motor with the compound bearing is provided by connecting
 the sleeve of the compound ball bearing integrally with the] a hub member is fitted
- 24 on and secured to the sleeve, and
- 25 <u>the motor is formed by constituting said hub member and sleeve</u>

26 secured thereto as a rotor of the motor.

Claims 2-5 (canceled)

- l Claim 6 (New). A motor with a compound bearing for office automation
- 2 (OA) equipment, including a spindle shaft assembled within a sleeve of the compound
- 3 bearing through a plurality of balls,
- 4 the compound bearing comprising:
- 5 the spindle shaft formed of a stepped shaft including a reduced diameter
- 6 portion and a larger diameter portion,
- an inner ring slidably fit over the reduced diameter portion of the spindle
- 8 shaft,
- 9 said sleeve secured to and integrated with a hub member.
- first balls interposed between a first raceway formed on an outer peripheral
- surface of the inner ring and a second raceway formed on an inner surface of the sleeve,
- second balls interposed between a third raceway formed on an outer
- 13 peripheral surface of the larger diameter portion of the spindle shaft and a fourth raceway
- 14 formed on the inner peripheral surface of the sleeve,

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1.5	wherein the compound bearing is formed by fixedly adhering the inner ring					
16	•					
17						
18						
19	the motor is formed by incorporating said hub member and the sleeve					
20	secured thereto as a rotor of the motor.					
	·					
1	Claim 7 (New). A motor with a compound bearing for office					
2	automation (OA) equipment, including a spindle shaft assembled within a sleeve of the					
3	compound bearing through a plurality of balls,					
4	the compound bearing comprising:					
5	the spindle shaft formed of a stepped shaft including a reduced diameter					
6	portion and a larger diameter portion,					
7	an inner ring slidably fit over the reduced diameter portion of the spindle					
8	shaft,					
9	said spindle shaft secured to and integrated with a hub member,					
10	first balls interposed between a first raceway formed on an outer peripheral					
11	surface of the inner ring and a second raceway formed on an inner surface of the sleeve,					
12	second balls interposed between a third raceway formed on an outer					
13	peripheral surface of the larger diameter portion of the spindle shaft and a fourth raceway					
14 .	formed on the inner peripheral surface of the sleeve,					
15						
16	wherein the compound bearing is formed by fixedly adhering the inner ring					
- 0	on the reduced diameter portion of the spindle shaft while applying to respective ones of					

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- 17 the balls an appropriate pre-load through the inner ring, and by integrating the spindle
- 18 shaft of the compound bearing with the hub member, and
- 19 the motor is formed by incorporating said hub member and the spindle
- shaft secured thereto as a rotor of the motor.

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Amendments to the Drawings:

The attached replacement sheet of drawings provided in the appendix includes a new Fig.

3. This sheet replaces the original sheet including Fig. 3 to correct an inadvertent error in submitting an erroneous drawing as noted in the accompanying remarks.

Attachment: Replacement Drawing Sheet 1